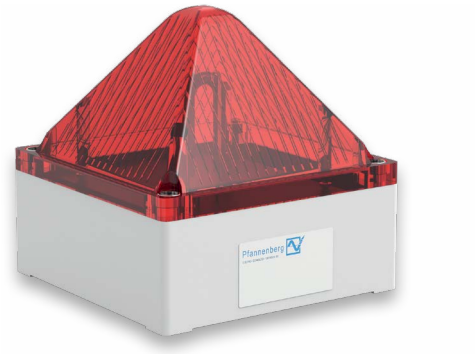
FLASHING LIGHTS 13 J
Quadro F12



Quadro F12

- Industrial successor to the legendary Eiffel Tower light.
- Design adapted to suit industrial requirements; mounted via concealed interior holes or external lugs; fast, flexible and secure.
- Outstanding mechanical strength with IP 66, IP 67 and IK08.
- Whether in the open air, in a hailstorm or when high pressure cleaning systems are used, the Quadro stays sealed and signals reliably.

IP 66 IP 67 — protection systems

IK08 — impact-proof housing

+55 °C / –40 °C — operating temperature

I lim t

10 Years — warranty

EAC

PRODUCT	Quadro F12		
DATA			
Rated voltage	230 V AC 50 I 60 Hz	115 V AC 50 I 60 Hz	24 V DC
Operating range	195–253 V	95–127 V	18–30 V
Nominal current consumption	250 mA	340 mA	700 mA
Initial current limited to	< 7 A / 150 µs	< 7 A / 150 µs	< 5 A / 2 ms

PRODUCT		Quadro F12	
Flash energy and flash rate		13 J @ 1 Hz = 60 flashes/min	
Light intensity (DIN 5037) [1]		260 cd	
Max. viewing distance		374 m	
Operating temperature		–40 °C ... +55 °C	
Storage temperature		–40 °C ... +70 °C	
Relative humidity		100 %	
Protection system (EN 60529)		IP 66, IP 67, mounting arbitrary	
Impact resistance (EN 62262)		IK08	
Protection class		II	
Service life of the light source		light emission still 70 % after 12,000,000 flashes	
Material	lens	⁄ ○ ● ● ● ● polycarbonate (PC)	
	housing	polycarbonate (PC), RAL 7035	
Cable entry		2x M20 bottom side / 2x M20/M32 sideways	2x M20 sideways
Connecting terminal		cage clamp 0.08 - 2.5 mm²	
Mounting	external lugs	113 x 153 mm – M5 or 127.1 x 127.1 mm – M5	
	internal holes	113 x 113 mm	
Weight		600 g	

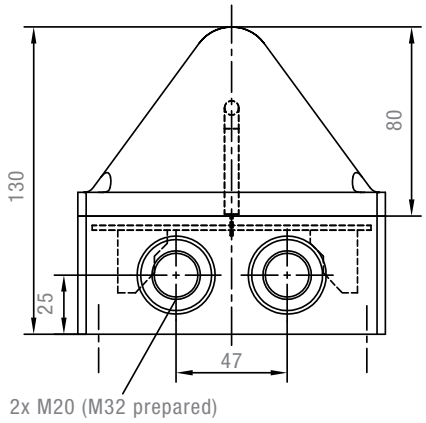
[1] with a clear lens

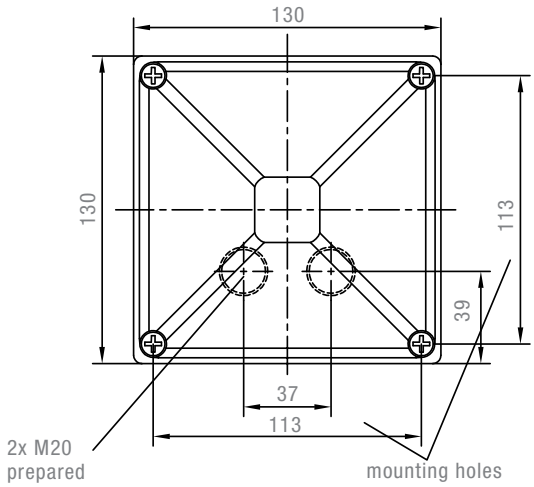
ARTICLE NO.	Quadro F12		
LENS COLOUR	230 V AC	115 V AC	24 V DC
⁄	21041101000	21041161000	21041801000
●	21041103000	21041163000	21041803000
●	21041104000	21041164000	21041804000
●	21041105000	21041165000	21041805000

Article numbers for other colours and voltages on request.

DIMENSIONS

Quadro F12

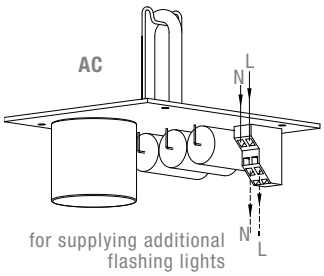


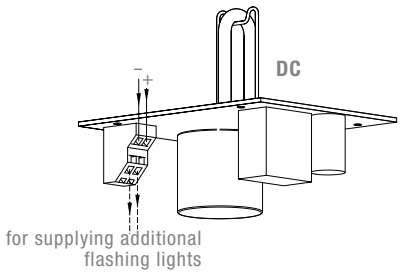


Additional mounting possible via external lugs (included).

CONNECTION DIAGRAMS

Quadro F12





CONFORMITY TO STANDARDS

The visual characteristics of flashing lights conform to the European standard DIN EN 842; **“Machine safety – visual alarm signals”.**
Requirements contained in the DIN EN 981 standard; **“Machine safety – system of acoustic and visual alarm and information signals”,** can be fulfilled.

The colours “red” for the emergency signal and “yellow” for the warning signal conform to the requirements of IEC 73 / DIN EN 60073 / VDE 0199; **“Coding of display devices and control elements using colours and supplementary means”.**

References to visual alarm devices can be found in the following standards:

EN 60825-1	Radiation safety of laser devices, identical to IEC 825 and DIN-VDE 0837
DIN EN 54	Fire alarm systems
DIN 54113-2	Radiation protection regulations for the technical operation of X-ray equipment up to 500 kV